

CLAIMS

I claim:

1. (Currently Amended) Instrument for plasma coagulation comprising

~~1. Instrument for plasma coagulation (APC), comprising~~
5 ~~a tubular probe body (10) for conducting inert gas through a lumen~~
~~(11) formed by a tube wall (13) of the probe body (10),~~
a tubular probe body with a tube wall defining a lumen through which an inert gas is conducted
through the probe body,

~~an ignition electrode (20) located within the lumen (11) and in the region of an~~
10 ~~outlet (12) of~~ defined by the said probe body (10),

~~a current conductor (25) adapted to supply a coagulation current to the said ignition~~
~~electrode (20),~~
~~fixing devices (30) to fix the ignition electrode (20) in a~~
15 ~~specified position within the probe body (10),~~
~~characterized in that~~
~~the fixing device consists of a sheet of metal, a wafer or similar~~
~~flat body (30), which is fixed by its longitudinal edges (31, 32),~~
and

20 a fixing device fixing the said ignition electrode in a predetermined position within
the said probe body, and comprising a flat body with longitudinal edges by means of which said flat
body is attached to the said tube wall (13) so such that it said flat body extends substantially
diametrically across the said lumen (11), and to which the ignition electrode (20) is attached.

2. 2. (Currently Amended) Instrument according to Claim 1,
25 ~~characterized in that wherein the said current conductor (25) is connected~~
integrally connected to the said ignition electrode (20).

3. 3. (Currently Amended) Instrument according to Claim 1,
~~characterized in that wherein the said current conductor (25) is connected to the~~
~~ignition electrode (20) by way means of the said flat body (30).~~

30 4. 4. (Currently Amended) Instrument according to Claim 1, wherein at least one of
the preceding claims,

~~characterized in that the~~said ignition electrode (20) ~~and/or the~~ the said current conductor (25) ~~are/is~~ welded to the said flat body (30).

5. 5. (Currently Amended) Instrument according to Claim 4,
~~characterized in that the~~ wherein said welded attachment (38) ~~is punctate, and~~
5 ~~formed by means of~~ resistance welding.

6. 6. (Currently Amended) Instrument according to ~~one of the preceding~~
~~claims,~~
~~characterized in that in the region of the outlet (12) a tubule~~
~~(14) made of ceramic or similar~~claim 1, wherein a tubule that is made of a high-
10 temperature-resistant material is inserted into the said lumen (11) in the region of said outlet and
~~the~~wherein said flat body (30) ~~is disposed at an end (15) of the tubule (14) that~~ and faces
away from the said outlet (12).

7. 7. (Currently Amended) Instrument according to Claim 6,
~~characterized in that the~~ wherein said flat body (30) comprises a flat edge and abuts
15 ~~against the said tubule (14) by way~~ means of sections (33) ~~of its front~~ said flat edge
(34).

8. 8. (Currently Amended) Instrument according to ~~one of the preceding~~
~~claims,~~
~~characterized in that the~~claim 1, wherein said flat body (30) ~~comprises~~ a flat edge
20 that defines a concave cutout (35) ~~at its front edge (34), which faces toward the said~~
outlet (12).